

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION RC-110

Effective March 1, 2004

*The following product has been evaluated for compliance with the wind loads specified in **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation 3 years after the effective date.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

SS100 Double Lock Roofing System manufactured by

Gerald's Manufacturing, Inc.
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is acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

SS100 roof panels are 26 gauge, galvanized, galvalume or paint grip steel panels. The panels conform to ASTM A653 Type B. The panels are manufactured in a 21-inch net coverage width with an integral 1" mechanically seamed seam.

LIMITATIONS

Design Wind Pressures: ±67 psf

Roof Slope: The SS100 panels shall not be installed on roofs with a roof slope less than 2:12.

INSTALLATION INSTRUCTIONS

General Installation Requirements: The panels shall be installed in accordance with the manufacturer's installation instructions and this product evaluation report. The panels are anchored to wood purlins using 26 gauge galvanized steel panel clips. The wood purlins shall be minimum 1" x 4" Southern Yellow Pine members. Each wood purlin is anchored to each wood roof framing member with two (2) #8 x 2 ½" long wood screws located at each roof framing member.

Underlayment: A minimum of one layer of No. 30 (Type II) asphalt felt shall be used. The underlayment used shall comply with one or more of the following: ASTM D 226, ASTM D 4869, or ASTM D 1970. The felt shall be installed with 6 inch side laps and 3 inch end laps. The felt shall be fastened with an adequate number of galvanized fasteners to hold it in place until the panels can be installed.

INSTALLATION INSTRUCTIONS (Continued)

Anchorage to Wood Purlins: The panels are anchored to the wood purlins using 26 gauge steel panel clips. The clips are located 3" and 6" from each end of the panel and spaced 16" o.c. thereafter along the length of the panel. The clips are fastened to each wood purlin with a minimum of two (2) DWS8 x 1 $\frac{1}{4}$ " long Truss A Point wood screws.

Perimeter Flashing: Along the roof perimeter, the panels are folded 1" over a minimum 26 gauge galvanized steel T-shaped flashing. The T-shaped flashing is secured to the slats with a minimum of two (2) DWS8 x 1 $\frac{1}{4}$ " long Truss A Point wood screws located 3" from each end and with a minimum of two (2) DWS8 x 1 $\frac{1}{4}$ " long Truss A Point wood screws spaced 16" o.c. thereafter. The flashing is also secured to the slats with a minimum of one (1) DWS8 x 1 $\frac{1}{4}$ " long Truss A Point wood screw located 10" from each end and spaced 16" thereafter. The roof perimeter is defined as areas within 4 foot of the roof edge and within 4 foot of the roof ridge.

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).